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SHARP 21HT-15C OPERATION MANUAL

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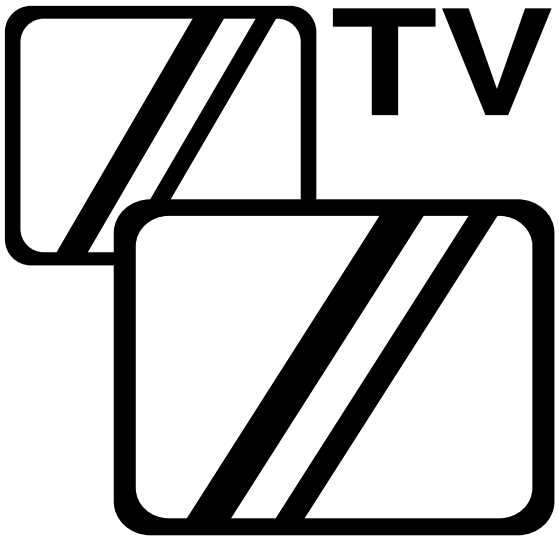
SHARP®

21HT-15C
21HT-16C

COLOUR TELEVISION
BAREVNÝ TELEVIZOR
SZÍNES TELEVÍZIÓ
KOLORWY TELEWIZOR
ЦВЕТНОЙ ТЕЛЕВИЗОР
RECEPTOR DE TELEVIZIUNE ÎN CULORI
FAREBNÝ TELEVÍZOR

OPERATION MANUAL
NÁVOD K OBSLUZE
HASZNÁLATI UTASÍTÁS
INSTRUKCJA OBSŁUGI
СБОРНИК ИНСТРУКЦИЯ
INSTRUCȚIUNI DE UTILIZARE
NÁVOD NA OBSLUHU



ENGLISH
ČESKY
MAGYAR
POLSKI
РУССКИЙ
ROMÂNĂ
SLOVENČINA

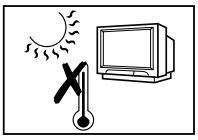
ENGLISH

Safety Precautions

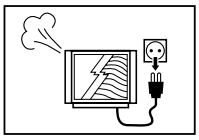
This equipment complies with the requirements of Directives 89/336/EEC and 73/23/EEC as amended by 93/68/EEC.

To prevent fire or electrical shock, do not use the TV set in an excessively damp place.

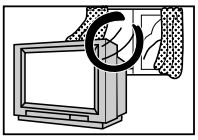
Never remove the back of the cabinet, as there is high voltage inside the TV set. Please call for service.



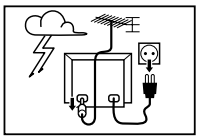
Position the TV set out of direct sunlight and away from heat, as high temperatures can damage the cabinet, CRT, or other electronic parts.



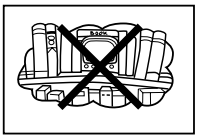
Unplug the power cord from the wall outlet immediately if the TV set begins to make unusual noises or gives off smoke or an odd smell, then call your dealer for service.



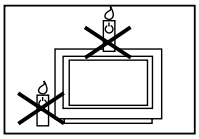
Do not cover the ventilation holes at the back of the TV set, this can cause fire or other serious problems. Leave an adequate open space behind the TV set for good ventilation.



Always disconnect your television from the mains amd the aerial cable during thunderstorms. Ever if your television is switched off, it can still be damaged by lightning striking th mains and/or aerial cable.

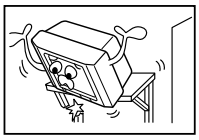


Do not install this equipment in a confined space, such as a bookcase or built-in cabinet.

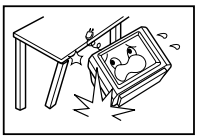


To prevent fire, never place any type of candle or naked flames on the top or near the TV set.

Television equipment and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the equipment and cart combination to overturn.



Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.



Do not place this television equipment on an unstable cart, stand, or table. The television equipment may fall, causing serious injury to a child or an adult, and serious damage to the equipment.
Use only with a cart or stand recommended by the manufacturer, or sold with the television equipment.

Never insert or drop any metallic or inflammable objects into the venitilation holes of the TV set, this can cause fire, electrical shock or electrical failure. Do not place a flower vase or anything else containing liquid on the TV set, as liquid spilt on the TV set can cause serious problems.

CAUTION: Make sure that the main power is switched off when going out.

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Dear SHARP Customer

Congratulations! You are now the proud owner of a SHARP Colour Television Receiver. To ensure proper operation, please read this manual carefully. After reading, keep this manual in a safe place for future reference.

Accessories

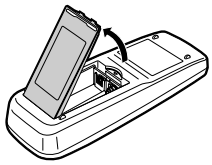
Remote control

Size-AA Dry battery

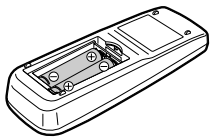
Operation Manual

Remote Control Battery Installation

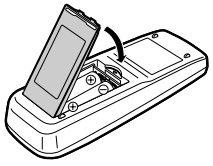
Before using the TV set for the first time, install the supplied dry batteries in the remote control.



❶ With your thumbnail, pull up the slit as indicated by the arrow to remove the battery cover.



❷ Insert two batteries 1.5 V (size "AA"). Be sure to match the battery ⊕/⊖ terminals with the ⊕/⊖ marks inside the compartment.



❸ Replace the battery cover.

NOTE

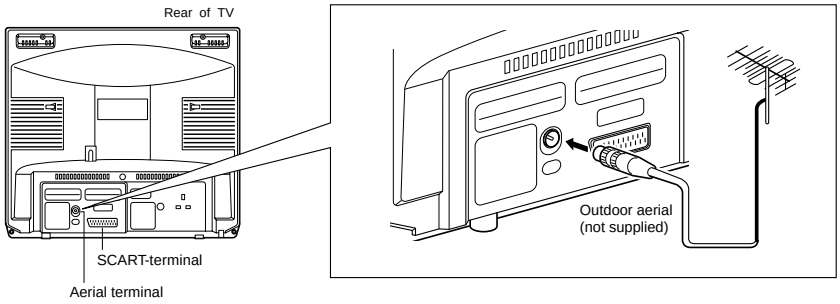
- Remove batteries if weak or if the unit is not in use for long periods.
- Do not mix old and new batteries.
- Incorrect installation of the batteries may damage the remote control.

Aerial Connections

- To enjoy a clearer picture, we recommend that you use an outdoor aerial. The following is a brief explanation of the types of connection that are used for coaxial:

Aerial Lead: Connect the cable from the aerial to a standard DIN45325 plug (IEC169-2) and plug it into the aerial terminal at the back of the TV set.

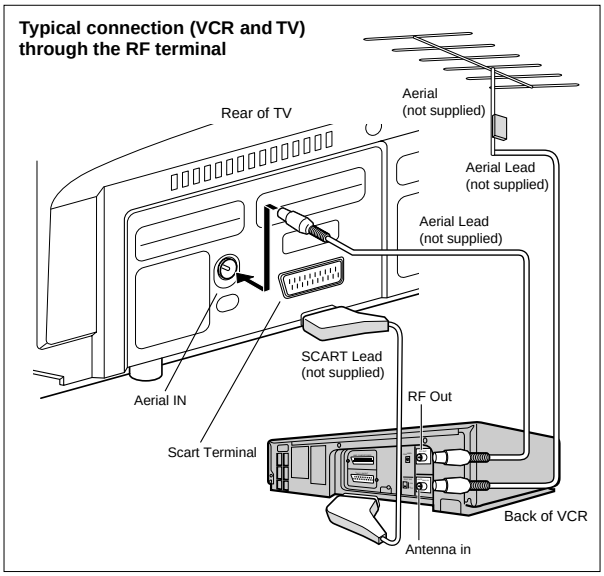
75-ohm coaxial cable (round cable)



Typical Connections

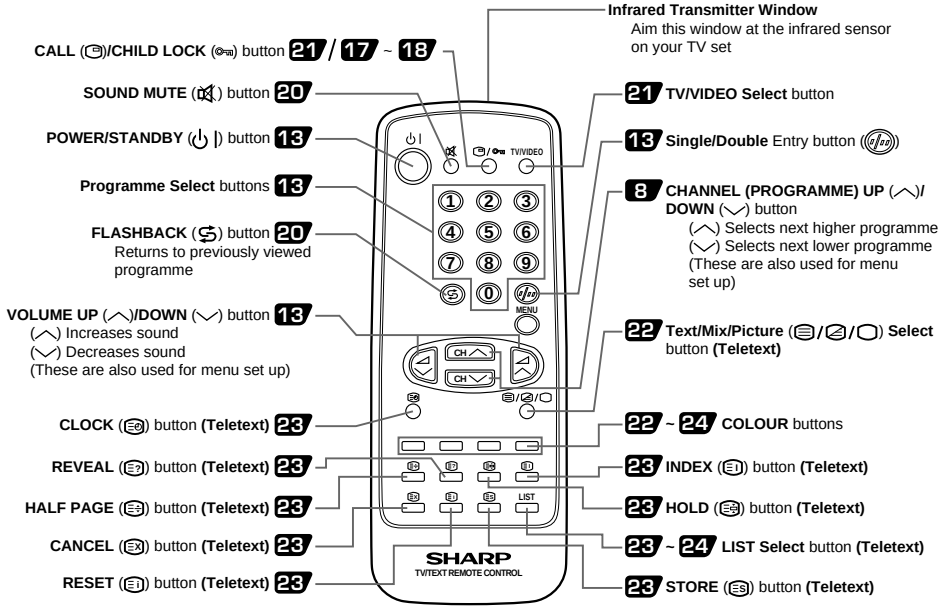
Enjoy the stunning visuals of a VCR or DECODER by connecting them to this TV set through its Euro-SCART 21-Pin terminal.
Please refer to the Operation Manual of your VCR for details.

Typical connection (VCR and TV) through the RF terminal

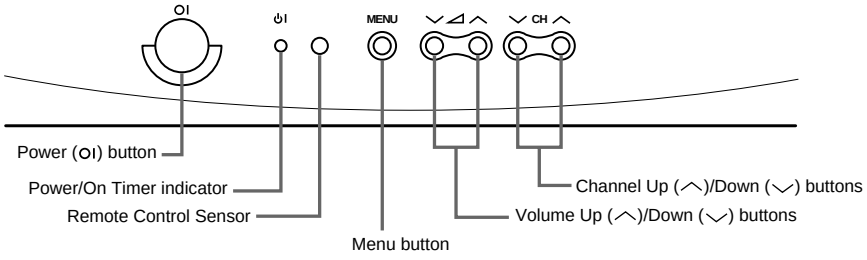


Location of Controls

Remote Control


Infrared Transmitter Window
Aim this window at the infrared sensor on your TV set
CALL (/CHILD LOCK (button 21 / 17 ~ 18
SOUND MUTE (button 20
POWER/STANDBY (button 13
Programme Select buttons 13
FLASHBACK (button 20
Returns to previously viewed programme
VOLUME UP (/DOWN (button 13
(Increases sound
(Decreases sound
(These are also used for menu set up)
CLOCK (button (Teletext) 23
REVEAL (button (Teletext) 23
HALF PAGE (button (Teletext) 23
CANCEL (button (Teletext) 23
RESET (button (Teletext) 23
21 TV/VIDEO Select button
13 Single/Double Entry button (
8 CHANNEL (PROGRAMME) UP (/ DOWN (button
(Selects next higher programme
(Selects next lower programme
(These are also used for menu set up)
22 Text/Mix/Picture (/ /) Select button (Teletext)
22 ~ 24 COLOUR buttons
23 INDEX (button (Teletext)
23 HOLD (button (Teletext)
23 ~ 24 LIST Select button (Teletext)
23 STORE (button (Teletext)
TV/VIDEO
MENU
CH
LIST
SHARP
TV/TEXT REMOTE CONTROL

TV Front

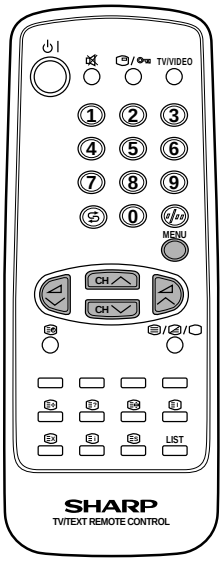


Channel Setting

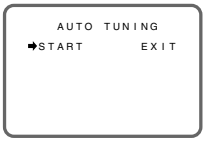
This function will automatically tune all local channels for you.
The following steps are carried out using the remote control

Initial setting — Auto Tuning

Automatically tunes in and presets receivable TV stations



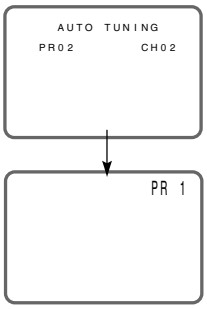
1 Press the main POWER button on the TV.When you install the TV at first time, it will appears this picture.



2 AUTO TUNING will start when selecting “START”, using CH and CH and pressing MENU on the remote control, or pressing MENU on the TV.

All the TV stations in your area that can be received by the TV set are automatically preset between programme position 1 to 99.

The screen shows whatever is on programme position 1 when full auto channel preset is finished.

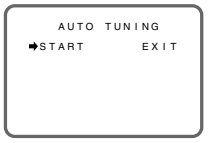


NOTE:Make sure to execute AUTO TUNING until tuning is complete. When EXIT has been selected during tuning or when the power has been turned off and then turned on again, the AUTO TUNING screen will be displayed.

After initial setting — Auto tuning

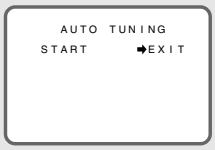
Automatically tunes in and presets receivable TV stations

1 The AUTO TUNING screen will appear by holding down MENU on the TV for **more than 2 seconds**.



2 Repeat step 2 above from page 5 (Initial seting)

NOTE



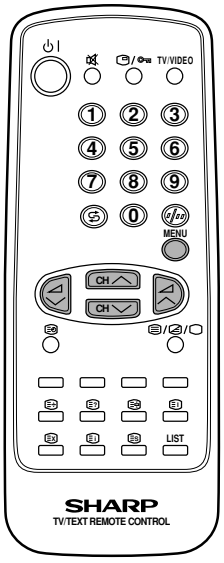
- To stop AUTO TUNING, **press** MENU on the remote control.
- When AUTO TUNING is not done, **select** EXIT by using CH and CH on the remote control or **press** MENU on the TV to return to the TV screen.
- Make sure to start AUTO TUNING after connecting the antenna, as the AUTO TUNING screen will be displayed when the power is turned on for the first time.
- Make sure to execute AUTO TUNING until tuning is complete. When EXIT has been selected during tuning or when the power has been turned off and then turned on again, the AUTO TUNING screen will be displayed.
- When the Child Lock is set, it is not possible to enter the Tuning mode. This is to make sure that Child Lock is not over-ridden by re-tuning the set. (To cancel Child Lock please refer to page 19.)

Channel Setting (Continued)

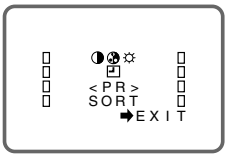
This section describes how to tune your TV manually and to store channels in the order you prefer.
The following steps are carried out using the remote control.

Manual Tuning

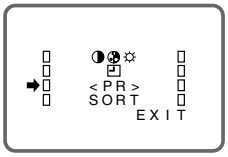
Setting a TV station to a desired programme position



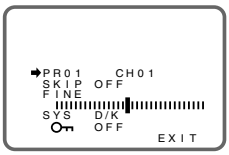
1 **Press** MENU to call the MAIN menu screen.



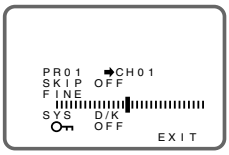
2 **Press** CH or CH to select "<PR>", and **press** MENU.



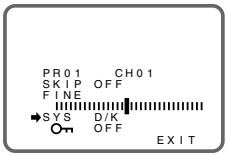
3 **Press** CH or CH to select "PR" position, and select the programme number (1–99) with or .



4 **Press** CH or CH to select "CH", and select the channel number, with or buttons.

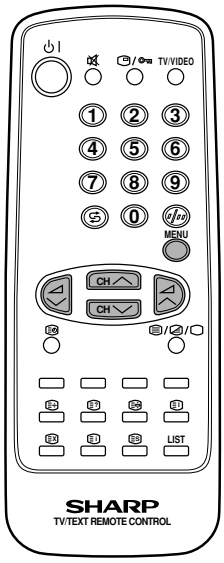


5 **Press** CH or CH to select "SYS", and **press** MENU to change the SYSTEM.
The system switches between SECAM-B/G, D/K and PAL-B/G, D/K

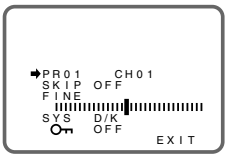


Sound System	On screen display
SECAM-D/K PAL -D/K	D/K
SECAM-B/G PAL-B/G	B/G

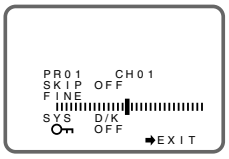
Channel Setting (Continued)



6 **Repeat** steps 3 to 5 if you wish to set other channels.



7 **Press** CH ∧ or CH ∨ to select "EXIT", and **press** MENU to return to the normal screen.



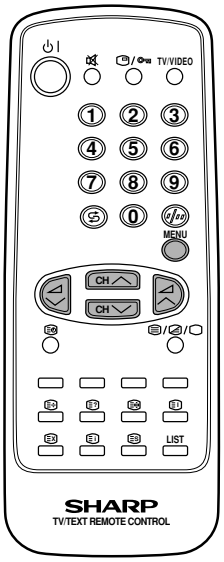
NOTE

If there is no sound and the key mark (O-) is displayed after setting the channels, the Child Lock Mode has been activated. To cancel the settings, make sure to set key mark (O-) to OFF.

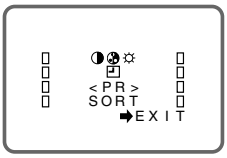
Channel Setting (Continued)

Fine Tuning

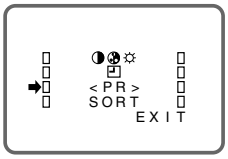
This function lets you easily fine-tune the TV set to improve reception and picture quality.



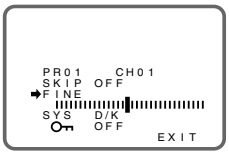
1 **Press** MENU to call the MAIN menu screen.



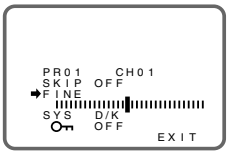
2 **Press** CH ∧ or CH ∨ to select "<PR>", and **press** MENU.



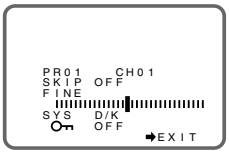
3 **Press** CH ∧ or CH ∨ to select the "FINE" position.



4 **Press** and hold ◁ or ▷ until the best tuning position is found.



5 **Press** CH ∧ or CH ∨ to select "EXIT", and **press** MENU to return to the normal screen.

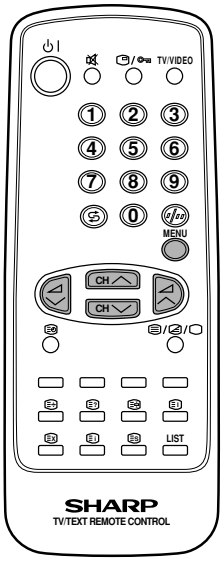


Channel Setting (Continued)

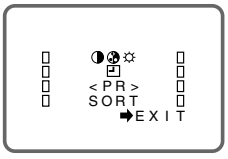
Skipping Programmes

This function lets you skip vacant channels or channels that you never watch when you select channels with CH ∧ or CH ∨.

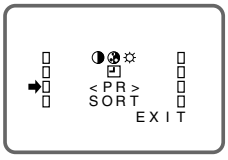
Setting Skip



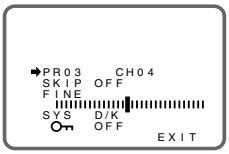
1 **Press** MENU to call the MAIN menu screen.



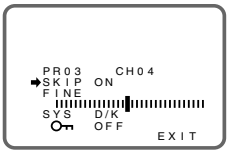
2 **Press** CH ∧ or CH ∨ to select "<PR>", and **press** MENU.



3 **Press** CH ∧ or CH ∨ to select the "PR" position, and select the programme number (1–99) you wish to skip with ∧ or ∨.

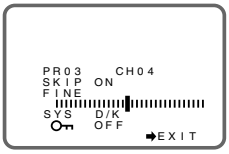


4 **Press** CH ∧ or CH ∨ to select "SKIP", and **press** MENU to select the "SKIP ON".
The programme number will turn from white to red.



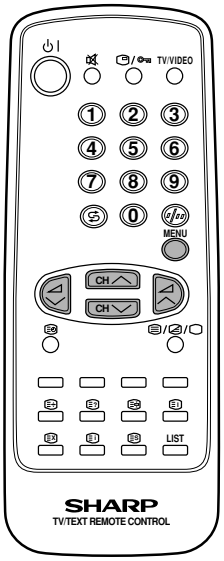
5 Repeat steps 3 to 4 if you wish to skip other programme.

6 **Press** CH ∧ or CH ∨ to select the "EXIT", and press MENU to return to the normal screen.

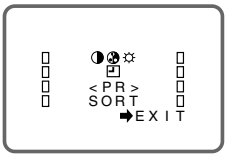


Channel Setting (Continued)

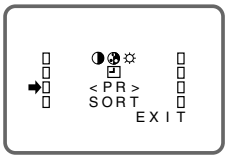
Cancelling Skip



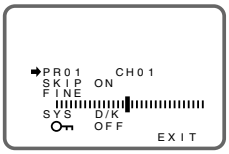
1 **Press** MENU to call the MAIN menu screen.



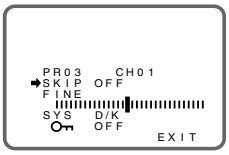
2 **Press** CH or CH to select "<PR>", and **press** MENU.



3 **Press** CH or CH to select the "PR" position, and select the programme number (1–99) for which you wish to cancel skip with or .
Select a skipped programme number displayed in red.

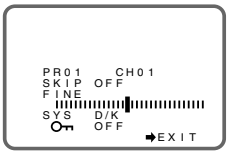


4 **Press** CH or CH to select "SKIP", and **press** MENU to select the "SKIP OFF".
The displayed programme number will turn from red to white.



5 Repeat steps 3 to 4 if you wish to cancel skip other programme.

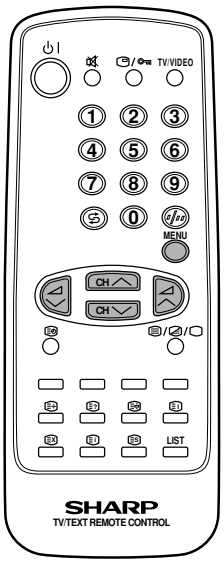
6 **Press** CH or CH to select the "EXIT", and press MENU to return to the normal screen.



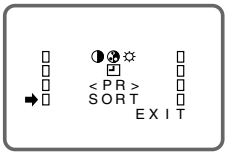
Channel Setting (Continued)

Manual Channel Sorting

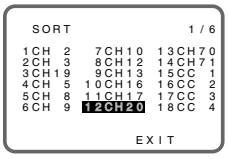
When moving channel 20 from pre-set channel 12 to pre-set channel 30, follow the steps below:



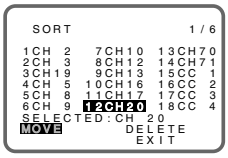
1 **Press** MENU to call the MAIN menu screen.
Using CH or CH, and **select** "SORT" by pressing MENU.



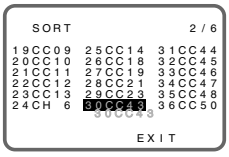
2 **Select** channel 20 of the preset channel 12 using CH or CH and ◁ or ▷ and set it by pressing MENU.



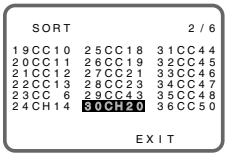
3 **Move** the cursor to "MOVE" using CH or CH and ◁ or ▷ and **select** it by pressing MENU.



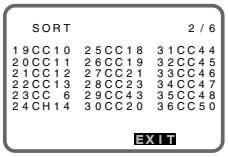
4 Using CH or CH and ◁ or ▷ **move** to the next screen and **select** preset channel 30.



5 Pressing MENU will insert channel 20 in the preset channel 30 field. Preset channels over pre-set channel 31 will be automatically sorted.



6 **Select** "EXIT" using CH or CH and ◁ or ▷ and **press** MENU to return to the TV Screen.

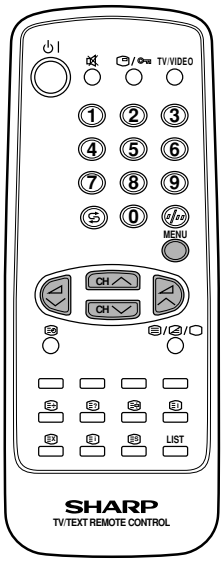


NOTE

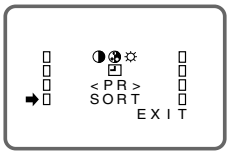
If you are using a decoder (Premiere Decoder, Canal Plus, etc.) please disconnect it before using the tuning (<PR>) and sort (SORT) menus.

Channel Setting (Continued)

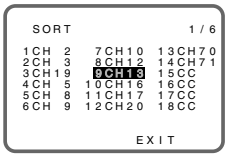
Channel Sorting (Delete)



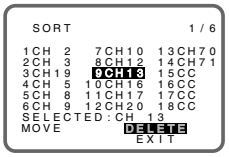
1 **Press** MENU to call the MAIN menu screen.
Using CH or CH, **select** "SORT" by pressing MENU.



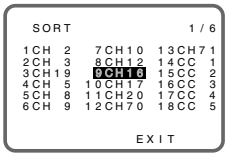
2 **Select** channel 13 in the preset channel 9 field using the CH or CH and ◁ or ▷ and set it by pressing MENU.



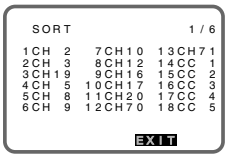
3 Using the CH or CH and ▷ or ◁ **select** "DELETE" and **press** MENU.



4 Pressing MENU will delete channel 13 in the preset channel 9 field and replace it by channel 16.

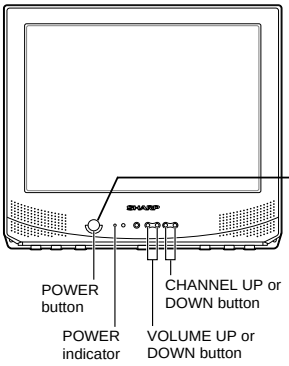


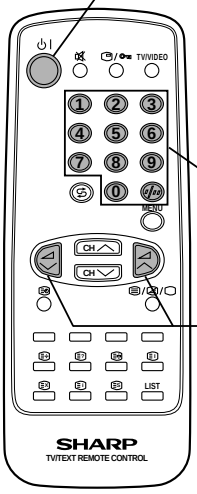
5 **Select** "EXIT" using the CH or CH and ▷ or ◁ and **press** MENU to return to the TV Screen.



Basic Operation

Watching a TV Programme





Preparation ▶ Turning on the power on the TV set.

Press ⏻.

If a picture appears on the screen, go to step 2.
If a picture does not appear on the screen, go to step 1.

1 Turning on the power

Press ⏻.

A picture appears on the screen.

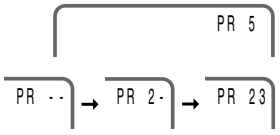
2 Selecting the programmes

Example:
When selecting programme position 5

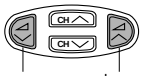
⑤

When selecting programme position 23

⓪/ⓞ → ② → ③

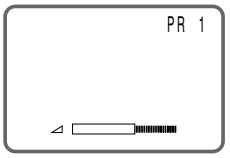


3 Adjusting the volume



Decreases the volume

Increases the volume



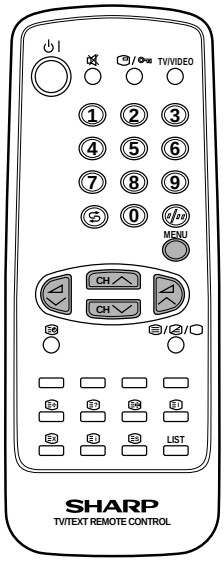
NOTE

If you go away on a trip or will not be at home for a considerable length of time, as a safety precaution, please unplug the cord from the outlet.

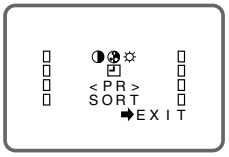
Picture Adjustment

Adjusting the Picture

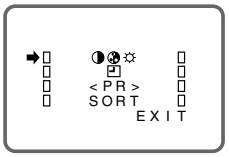
Picture quality (CONTRAST, COLOUR, BRIGHTNESS, SHARPNESS) are adjustable in this menu.



1 **Press** MENU to call the MAIN menu screen.

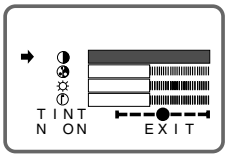


2 **Press** CH ∧ or CH ∨ to select "◑ ◕ ☼", and **press** MENU.



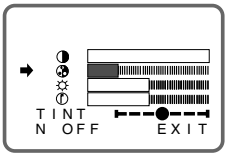
3 **Press** CH ∧ or CH ∨ to select the items to adjust.

Selected item	
◑	CONTRAST
◕	COLOUR
☼	BRIGHTNESS
◐	SHARPNESS
TINT	TINT
N ON	NORMAL



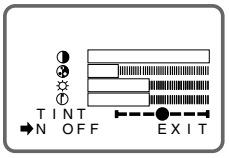
4 Adjust the picture quality to your liking with ◁ or ▷.

5 **Repeat** steps 3 and 4 above to adjust other items.

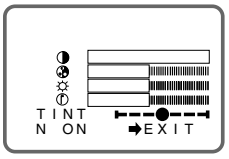


6 By selecting "N" you can reset the picture parameters to the factory setting.

Press MENU to restore the factory setting "N ON" mode.



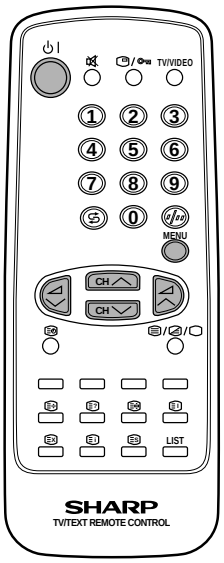
7 You can clear the on-screen display by selecting "EXIT" using CH ∧ or CH ∨, and **press** MENU.



Timer Setting

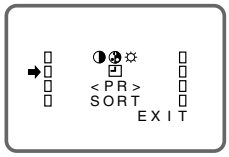
ON Timer

Automatically turns the power ON after the set time has passed.

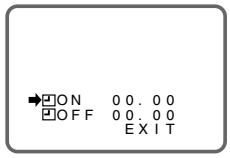


1 **Press** MENU to call the MAIN menu screen.

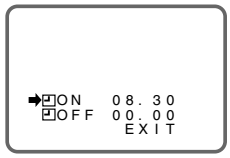
2 **Press** CH or CH to select ⏎, and **press** MENU.



3 **Press** CH or CH to select "⏎ON" mode.



4 **Press** ◁ or ◁ to set the time.
(from 10 min. to 12 hour 50 min., in 10 min. increments)



5 **Press** ⏻ to set the TV into Standby mode. The Power indicator flashes red.
When the preset time (in the above example, 8 hours and 30 minutes) has passed, the power turns ON and a picture appears on the screen.

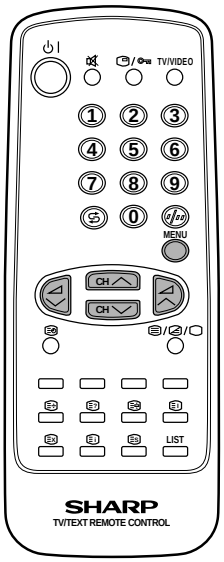
NOTE

- In order to know when the ON Timer programme has been run properly, when the TV is in the standby mode, the ON Timer indicator remains flashing in red.
- As a safety precaution, in case nobody is at home when the television switches on automatically, the television will disconnect itself automatically within 120 minutes ; any button of the remote control functions should be pressed, if it is to remain ON.
- In the event of a power cut, disconnection from the plug, or the television is switched off at the mains switch, all the data in the ON Timer will be cancelled.
- The TIMER settings will remain if you exit the TIMER setting screen after setup.

Timer Setting (Continued)

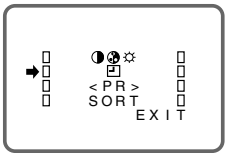
OFF Timer

Automatically turns the power OFF after the set time has passed.

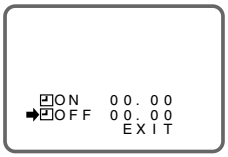


1 **Press** MENU to call the MAIN menu screen.

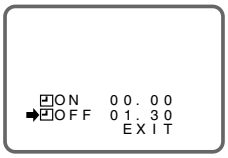
2 **Press** CH or CH to select "⏎", and **press** MENU.



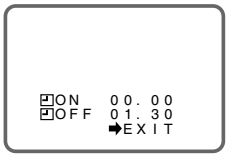
3 **Press** CH or CH to select "⏎OFF" mode.



4 **Press** or to set the time.
(from 10 min. to 12 hour 50 min., in 10 min. increments)
The timer starts to count down.



5 After setting the time, **select** "EXIT" by pressing CH or CH and **press** MENU.
When the preset time (in the above example, 1 hour and 30 minutes) has passed, the TV set turns to Stand-by mode.



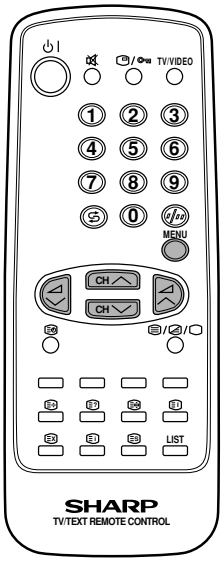
NOTE

- In the event of a power cut, disconnection from the plug, or the television is switched off at the mains switch, all the data on the OFF Timer will be cancelled.
- The TIMER settings will remain if you exit the TIMER setting screen using EXIT after setup.

Child Lock (Channel Block)

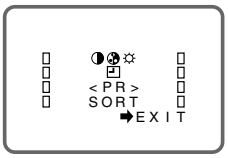
You can lock a TV channel to prevent unsupervised TV viewing by following these procedures:

Setting Child Lock

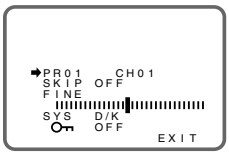


1 **Press** MENU to call the MAIN menu screen.

2 **Press** CH or CH to select "<PR>" and press MENU.

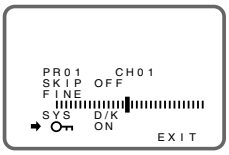


3 **Select** the programme you want to lock using or . (You can also select the programme using the 0~9 digit buttons.)

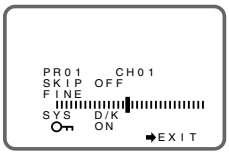


4 **Press** CH or CH to select "ON" then press MENU.

5 **Repeat** steps 2~3 if you wish to lock other programme.



6 **Press** CH or CH to select "EXIT" and press MENU.



NOTE

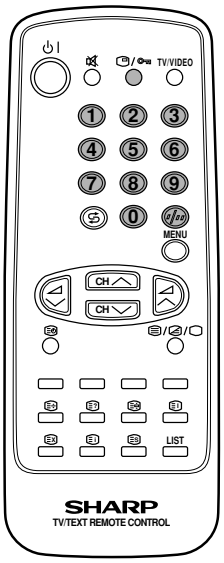
You can also block the SCART connection.

CAUTION

- When you select a locked channel, the TV picture will be blue and the mark "" appears on the screen.
- **Press** to unlock the channel.
- Since the remote control is the "Key" to unlock TV channel you must remember not to let the remote control out of your supervision.

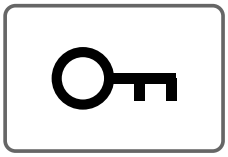
Child Lock (Continued)

Opening Child Lock



Watching a programme position set with the Child Lock.

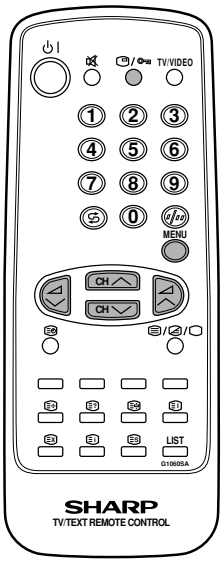
1 **Select** the child lock programme position.



2 **Hold down** for more than 2 seconds.
The screen of the child locked programme is displayed.

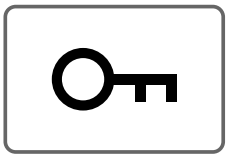
Child Lock (Continued)

Cancelling Child Lock

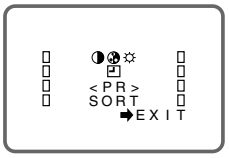


Releasing the Child Locked programme.

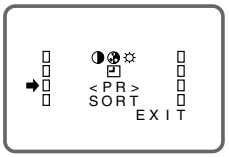
1 **Select** the child lock programme position.



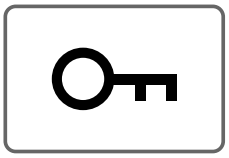
2 **Press** MENU to call the MAIN menu.



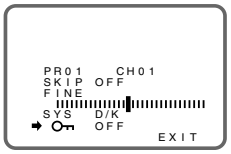
3 **Press** CH or CH to select "<PR>" and **press** MENU.



4 **Hold down** for more than 4 seconds.

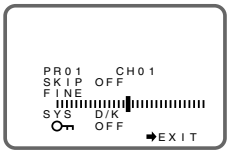


5 Tuning screen is displayed.
Press CH or CH to select "OFF" by pressing MENU.

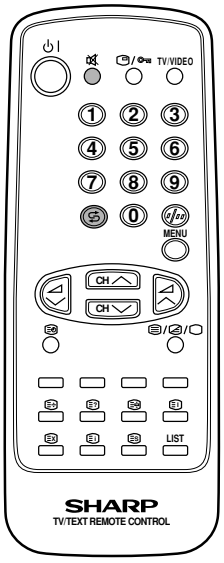


6 **Repeat** steps 2~3 if you wish to unlook other programme.

7 **Press** or to select "EXIT" and **press** MENU.



Other functions

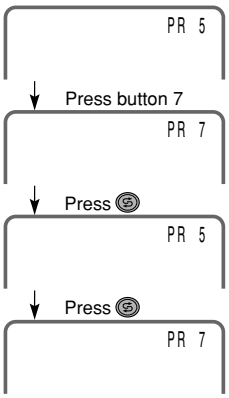


Flashback

Switches back to the channel you were watching just before the current programme.

Press (5).
The channel previously viewed returns to the screen.

Example:
If (5) is pressed, after switching from channel 5 to channel 7, the programme will change to programme 5.
Press (5) again to return to programme 7.

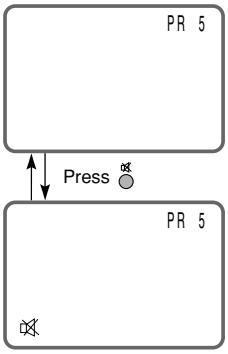


Sound Mute

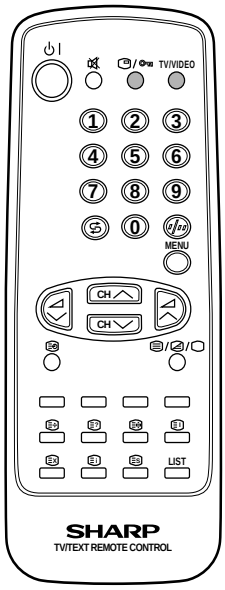
Silences the sound.

1 **Press** (mute).
The symbol "🔇" appears on the screen, and the sound is silenced.

2 **Press** (mute) again.
The volume is turned on again.



Other Functions (Continued)

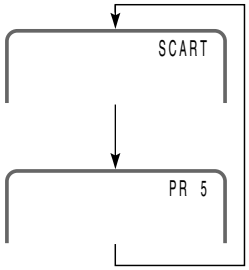


TV/VIDEO

Switches between TV broadcasts and AV input programmes.

TV/VIDEO

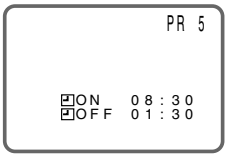
Each time you **press** ◯ , the input toggles between SCART and TV programmes.



Call

Displays the current programme number, the timer and other settings on the screen.

1 **Press** ◯ .
The time remaining on the ON Timer, OFF Timer and Programme number will appear on the screen. (When no Timer is set, nothing appears on the screen).



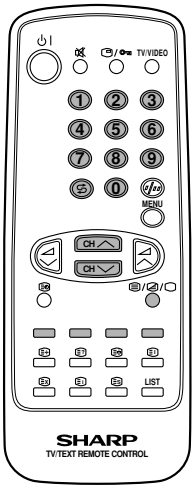
2 **Press** ◯ once again.
The programme number, ON Timer and OFF Timer display disappears from the screen.
The screen returns to the normal screen.

Teletext Mode

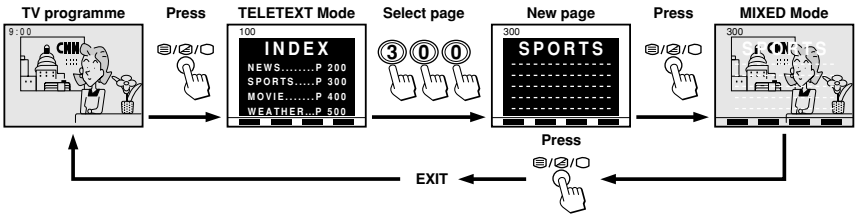
Teletext is an information service, organized like a magazine, provided by some television stations in addition to regular television broadcasting.

Basic Operation

To switch ON, select a page number and switch OFF the Teletext.



1. **Select** a TV channel, which is broadcasting the Teletext programme you would like to watch.
2. **Press** ⧉/⧄/▭ to select the TELETEXT Mode.
3. **Enter** three digits using the 0~9 digit buttons to select a page number.
   (The CHANNEL buttons CH∧/CH∨ can also be used.)
4. **Press** ⧉/⧄/▭ to superimpose a Teletext broadcast onto the current TV programme screen (MIXED Mode).
5. **Press** ⧉/⧄/▭ to go out from the TELETEXT Mode.

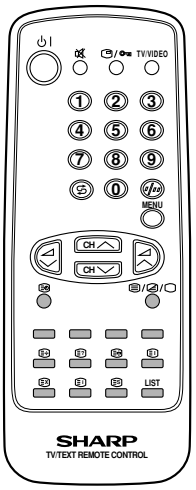


Fast Page Selection

1. **Select** a TV channel, which is broadcasting the Teletext programme you would like to watch.
2. **Press** ⧉/⧄/▭ to select the TELETEXT Mode.
3. To recall a page number displayed in the coloured brackets, simply **press** the corresponding coloured button ▭.

Teletext Mode (Continued)

Other Teletext Features



HALF PAGE button:
Press to magnity, the upper/lower half of the Teletext page.

REVEAL button:
Press to reveal or hide information such as the answer to a quiz.

RESET button:
Press to return to TV mode.

LIST Select button:
Press to change the system:
FLOF ↔ LIST [❶].

HOLD button:
Press to hold or cancel the hold on the current page.

INDEX button:
Press to return back to index page.

STORE button:
Press to store in the memory the page numbers in the LIST mode [❶].

COLOUR buttons:
To recall a page displayed in the coloured brackets, **press** the corresponding coloured button.

[❶] More information on - How to Operate Page Memory - (page 24).

CLOCK button:

In TV Mode: Pressing this button when the TEXT data is received, the real time information will appear on the screen.
In TELETEXT Mode: When a selected Teletext page has hidden subpages or timed pages, these pages can be seen in the following manner:

1 Press . The screen will show <<SUBPAGE: - - - - >>
2 Enter 4 digits corresponding to the subpage desired. E.g. 0021 for subpage number 21.
3 Wait until the page appears.

NOTE: You can use this button together with . This means that you can view the main TV picture until the subpage has been found. The on screen icon at the top left side of the screen will change when the subpage has been found.
Press to view the subpage.

CANCEL button:

Cancel the Teletext information and restores the TV picture. Indication is shown on screen. The TV programme cannot be changed, while in Teletext/Cancelled mode. When a change takes place in the Teletext information, the upper time of the cancelled page or some other indication of special pages is shown on screen.
To restore the teletext, press and the whole Teletext is shown.

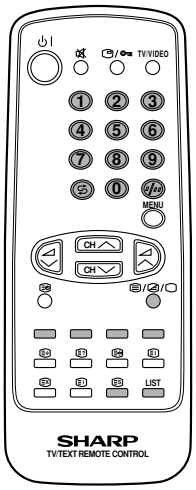
NOTE: This button can be used together with while awaiting subpages.

Teletext Mode (Continued)

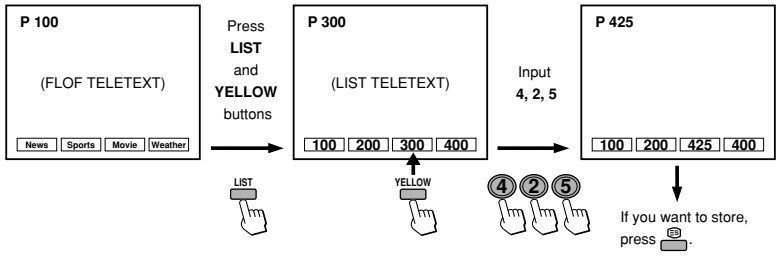
Teletext operation - LIST Mode -

How to Operate Page Memory

Your TV has 64 Teletext page number memories for fast recall of Teletext information.
Four Teletext page numbers can be stored in each position in programme positions 1 through 15; a total of 60 pages.
Only one programme with 4 page numbers can be stored in programme positions 16 through 99 and SCART.
If you try to store more than 4 page numbers in a programme position between 16 and 99,SCART, the previously stored page numbers will be erased.



1. **Select** the programme channel number into which you want to store Teletext page numbers.
2. **Press** /// to select the TELETEXT Mode.
3. **Press** LIST to change from FLOF system to LIST Mode.
4. **Press** a coloured button corresponding to the coloured brackets on the screen for page number storage.
5. **Enter** the Teletext page number using the 0 ~ 9 digit buttons (enter three digits).
6. **Repeat** steps **4** and **5** until the numbers for the desired pages have been entered.
7. **Press** to store in memory the page numbers you wish. "STORE" appears on the screen.
8. **Press** /// twice to exit the TELETEXT Mode.



Page Selection - LIST Mode -

❶ **Select** the appropriate programme channel.
❷ **Press** /// to select the TELETEXT Mode.
❸ **Press** LIST to change from FLOF system to LIST Mode.
❹ To recall a page number displayed in the coloured brackets, simply **press** the corresponding coloured button.

Troubleshooting

The following conditions do not always denote trouble. Therefore, performs the checks described below before calling for service.
If the problem cannot be corrected by the use of this guide, pull the power plug out from the electrical outlet and call for service.

Quick Service Check List / Problems	Possible Causes/Solutions: Try a new channel to check for possible station trouble	TV not plugged in Outlet power OFF	Main Power button of TV not ON	Antenna not connected to terminal at the back of the TV set	If outside antenna is used, check for broken wires	Check for local interference	Turn off using the Main Power button, then turn ON again after a minute	Adjust COLOUR control	Check batteries in the Remote Control	Try fine tuning to correct	Check if the Brightness or Contrast setting in the picture setting mode might be all the way to the minus side.	Increase the volume	Check that Child Lock is not activated
Remote control does not work		●	●				●		●				
Bars on screen					●	●							
Picture distorted	●				●					●			
Picture rolls vertically	●				●	●							
No colour	●			●	●			●		●			
Poor reception on some channels	●			●	●	●							
Picture weak	●			●	●			●		●			
Picture lines or streaks	●				●	●							
Picture ghosting	●			●	●	●							
Picture blurred	●				●					●			
Sound OK, picture poor	●			●	●	●		●		●	●		
Picture OK, sound poor	●					●						●	
No picture or sound	●	●	●	●	●		●				●	●	
It is not possible to tune the set													●

This unit is equipped with a microprocessor. Its performance could be adversely affected by external electrical noise or interference. If this should happen, unplug the unit and plug it in again after a few minutes.

Specifications

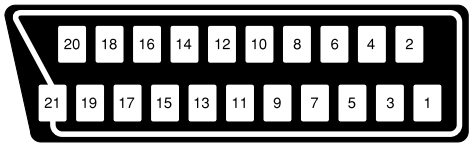
Model	**21HT-15C / 21HT-16C**
1. Receiving Broadcast Standard	CCIR TV Standard System PAL-D/K, B/G, SECAM-D/K, B/G
2. Receiving System	Colour System: PAL ,SECAM Field Frequency: PAL 50/60 Hz Capability
3. Reception Channels	VHF: E2 - E12CH, R1-R12 CH UHF: E 21 - E 69 CH CATV S1 - S20, S21 - S41 (Hyper)
4. Power Source	AC220V-240V, 50Hz
5. Power Consumption at 240V AC 50Hz	43 W
6. Power Consumption at Stand-by	3 W
7. Audio Output (MPO)	4 W
8. Dimensions (approx.)	Width: 505 mm Height: 470 mm Depth: 474 mm
9. Viewing Area (diagonal measurement)	54 cm (21")
10. Weight (approx.)	19,6 Kg
11. Internal Speaker	9 cm × 5 cm Oval
12. Antenna Input Impedance	75 ohms Unbalanced
13. Safety	CE - MARK
14. EMC	CE - MARK

Design and specifications are subject to change without notice.

Euro-SCART 21-Pin Terminal

For greater A/V enjoyment, various audio and video devices may be connected via the Euro-SCART 21-Pin Terminal.
For example, one can revel in the stunning visuals from a VCR and the dynamic sounds of an audio system. For your interest, here is just one example of an integrated A/V system.

21-Pin Euro-SCART



1. Audio right output
2. Audio right input
3. Audio left output
4. Common earth for audio
5. Earth for blue
6. Audio left input
7. Blue input
8. Audio-video control
9. Earth for green
10. Not used
11. Green input
12. Not used
13. Earth for red
14. Not used
15. Red input
16. Red/Green/Blue control
17. Earth for video
18. Earth for Red/Green/Blue control
19. Video output
20. Video input
21. Plug shield

NOTE

Audio: Mono Input/Output.

SHARP®

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SHARP ELECTRONICA ESPAÑA, S.A.

Polígono Industrial Can Sant Joan
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